

Please replace the Abstract on page 21 with the following amended abstract:

Methods and systems of processing an image to reduce artifacts caused by image processing are disclosed. One embodiment includes applying a controlled, adaptive histogram equalization technique to improve the quality of an image. The technique ~~Another embodiment~~ may include classifying an image. The ~~Both~~ embodiments may use a concentration ratio of an image or portions thereof. Another embodiment may include a system for applying an adaptive histogram equalization technique.